MACRO CELL FOR INTEGRATED CIRCUIT PHYSICAL LAYER INTERFACE

ABSTRACT OF THE DISCLOSURE

A macro cell is provided for an integrated 5 circuit design having an input-output (IO) region with a plurality of IO buffer cells physically dispersed with other cells in IO slots along an interface portion of the IO region. The macro cell includes a plurality of macro cell IO signal slots 10 that are physically dispersed so as to substantially align with the IO buffer cells in the interface portion. The macro cell also includes an interface definition having a plurality of interface IO signal nets, which are routed to corresponding ones of the plurality of macro cell signal slots. The macro cell 15 is adapted to be instantiated as a unit in the integrated circuit design.